



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

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**Therma-Tru Corporation**  
108 Mutzfeld Rd.  
Butler, IN 46721

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Premium Series 6'8 Opaque Steel Door w & wo sidelites (OS)

**APPROVAL DOCUMENT:** Drawing No. S-2149, titled "Premium Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 3/28/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact and Non-Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

The submitted documentation was reviewed by **Raul Rodriguez**



NOA No 01-0828.08  
Expiration Date: June 20, 2007  
Approval Date: June 20, 2002  
Page 1

# THERMA-TRU®

"PREMIUM SERIES" OUTSWING 6-8 SINGLE AND DOUBLE  
W/ & W/OUT SIDELITES. INSULATED STEEL DOOR WITH WOOD FRAMES.

## GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR SIDELITES ONLY.
6. SIDELIES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION.
7. LOW PROFILE OUTSWING BUMP THRESHOLD RATED FOR +55.0 PSF & -55.0 PSF ON WATER FOR SINGLE UNITS.

## INSULATED STEEL DOOR. (Common to all frame conditions)

### Door & Sidelite Panel Construction:

Face sheets: 24 GA.(0.022") minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength  $F_y(\min.) = 38,438$  psi

Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.

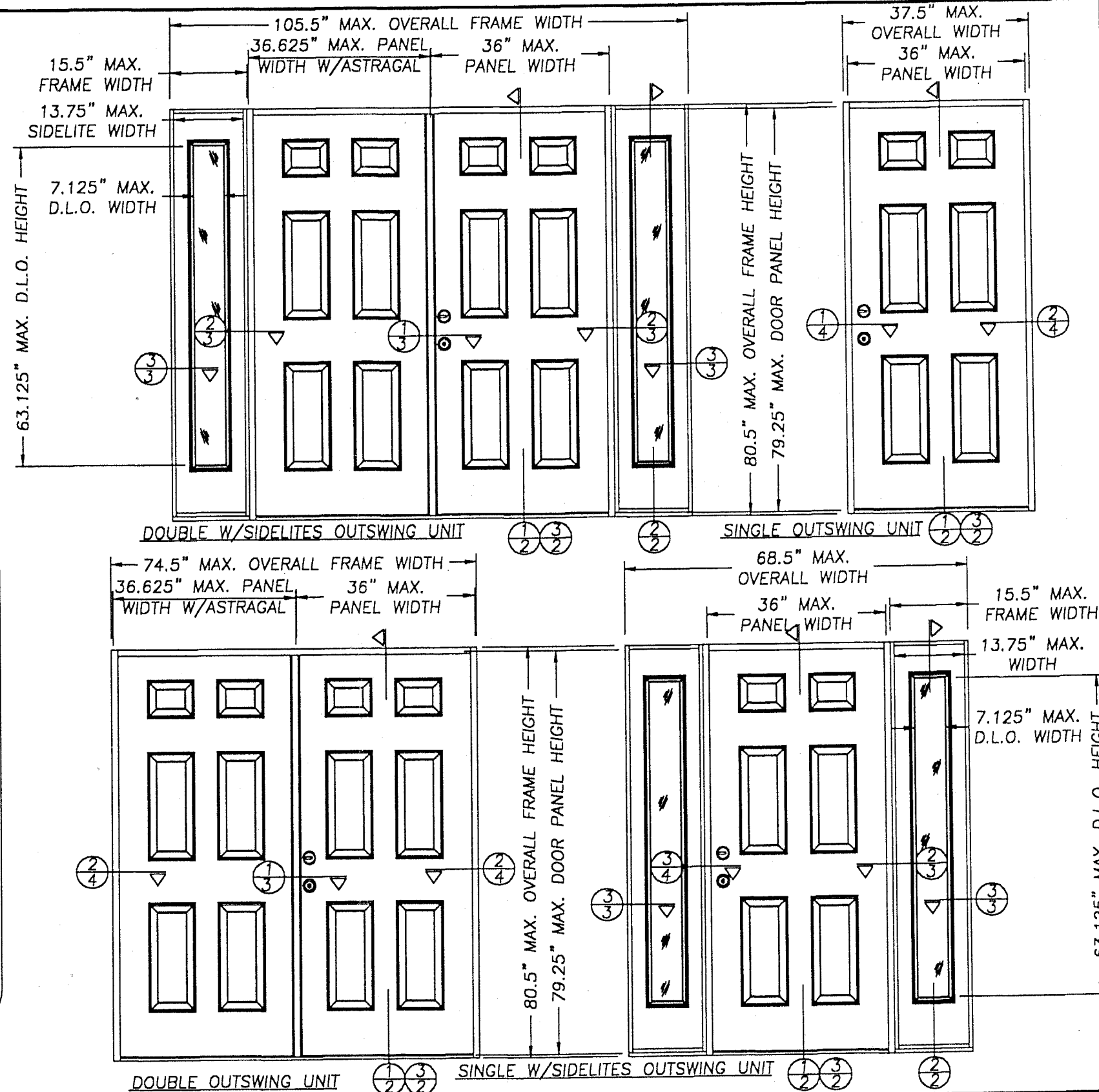
Door Panel Construction: Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed and pressure fitted with contact cement to the wood stiles at the corners.

Sidelite Panel Construction and Glazing: The vertical edges of the skin are rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.

Frame Construction: The frame is constructed from finger jointed Ponderosa Pine measuring 4.656" wide x 1.25" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2.5" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2 1/2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Outswing Bumpface threshold, either Low Profile or High Water Dam.

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1	TYPICAL ELEVATIONS & GENERAL NOTES
2	VERTICAL CROSS SECTIONS
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5	ANCHORING LOCATIONS & DETAILS
6	ANCHORING LOCATIONS & GLAZING DETAILS
7	UNIT COMPONENTS
8	BILL OF MATERIALS & UNIT COMPONENTS



DESIGN PRESSURE RATING		
UNIT TYPE	W/LOW PROFILE BUMP THRESHOLD	W/HIGH DAM BUMP THRESHOLD
SINGLE	+ 55.0 PSF - 67.0 PSF	+ 75.0 PSF - 75.0 PSF
DOUBLE	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF
SINGLE W/SIDELITES	+ 55.0 PSF - 67.0 PSF	+ 65.0 PSF - 65.0 PSF
DOUBLE W/SIDELITES	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF

Approved as complying with the  
Florida Building Code  
Date June 20, 2002  
NOAH 01-0829-08  
Miami Dade Product Control  
Division  
By [Signature]

THERMA-TRU®  
108 MUTZFELD Rd.  
BUTLER, IN 46721  
PH. (219) 868-5811

PRODUCT:  
"PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR  
PART OR ASSEMBLY:  
TYPICAL ELEVATIONS  
& GENERAL NOTES

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			

RW BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01

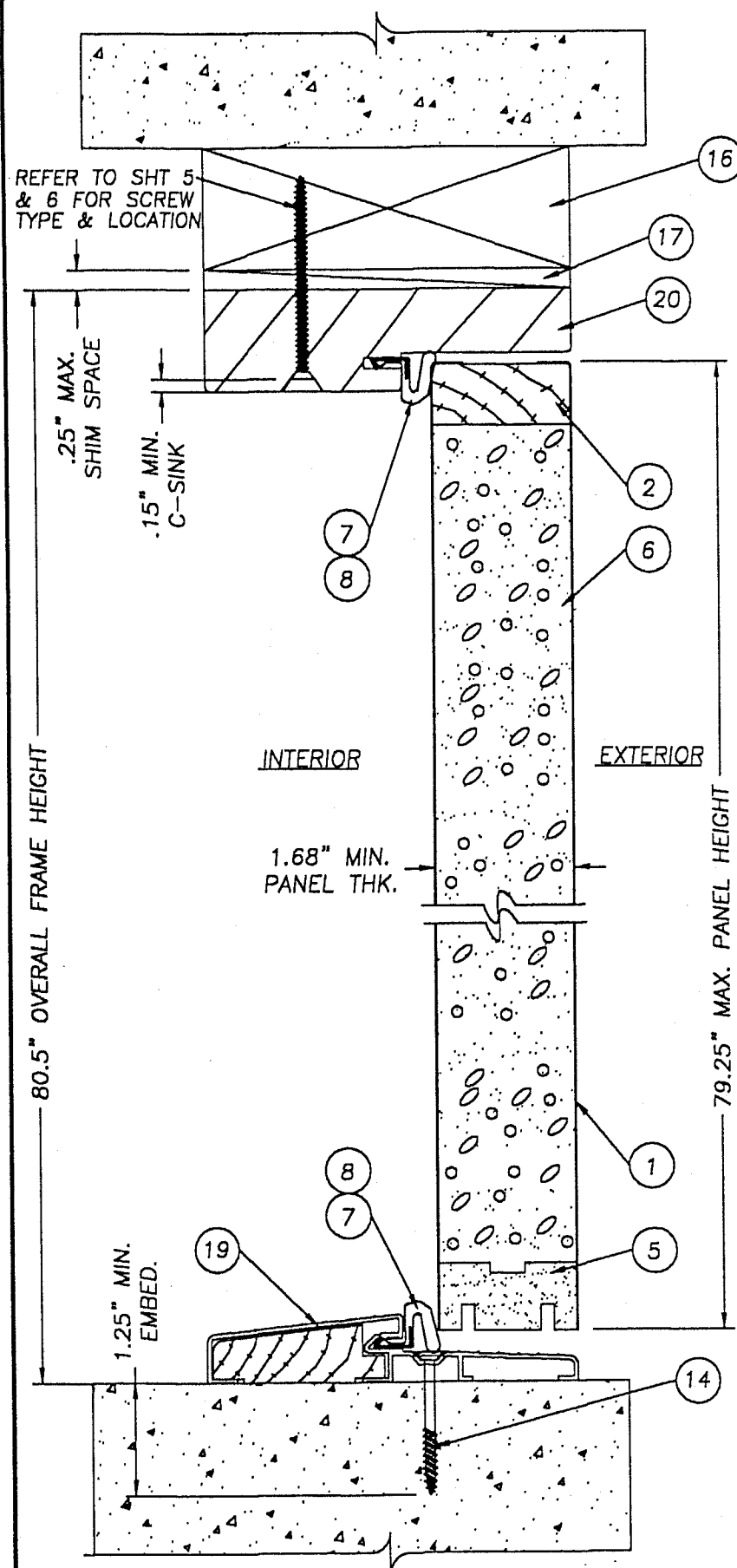
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DWG. BY: TJH

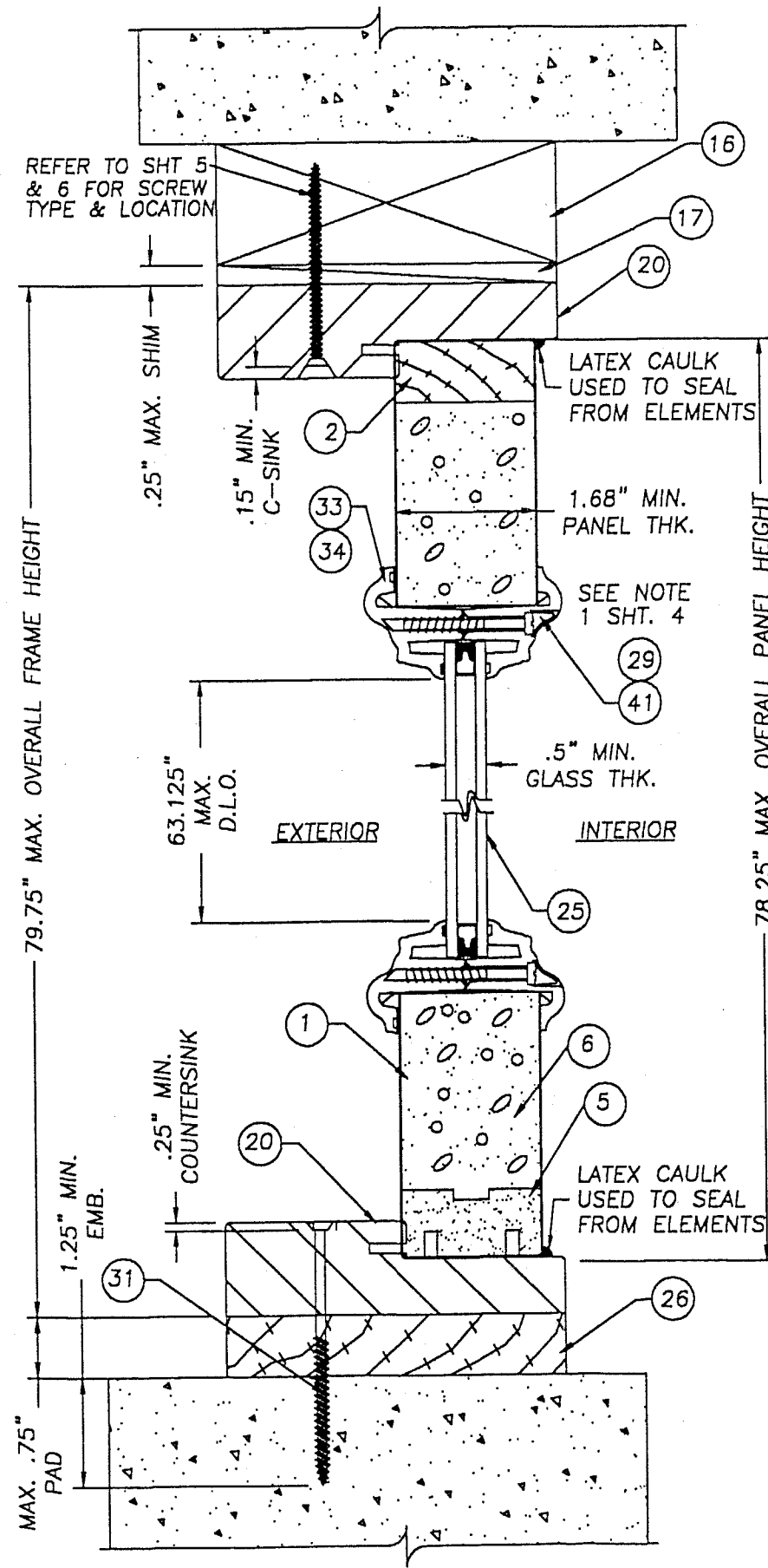
CHK. BY: RW

DRAWING NO.: S-2149

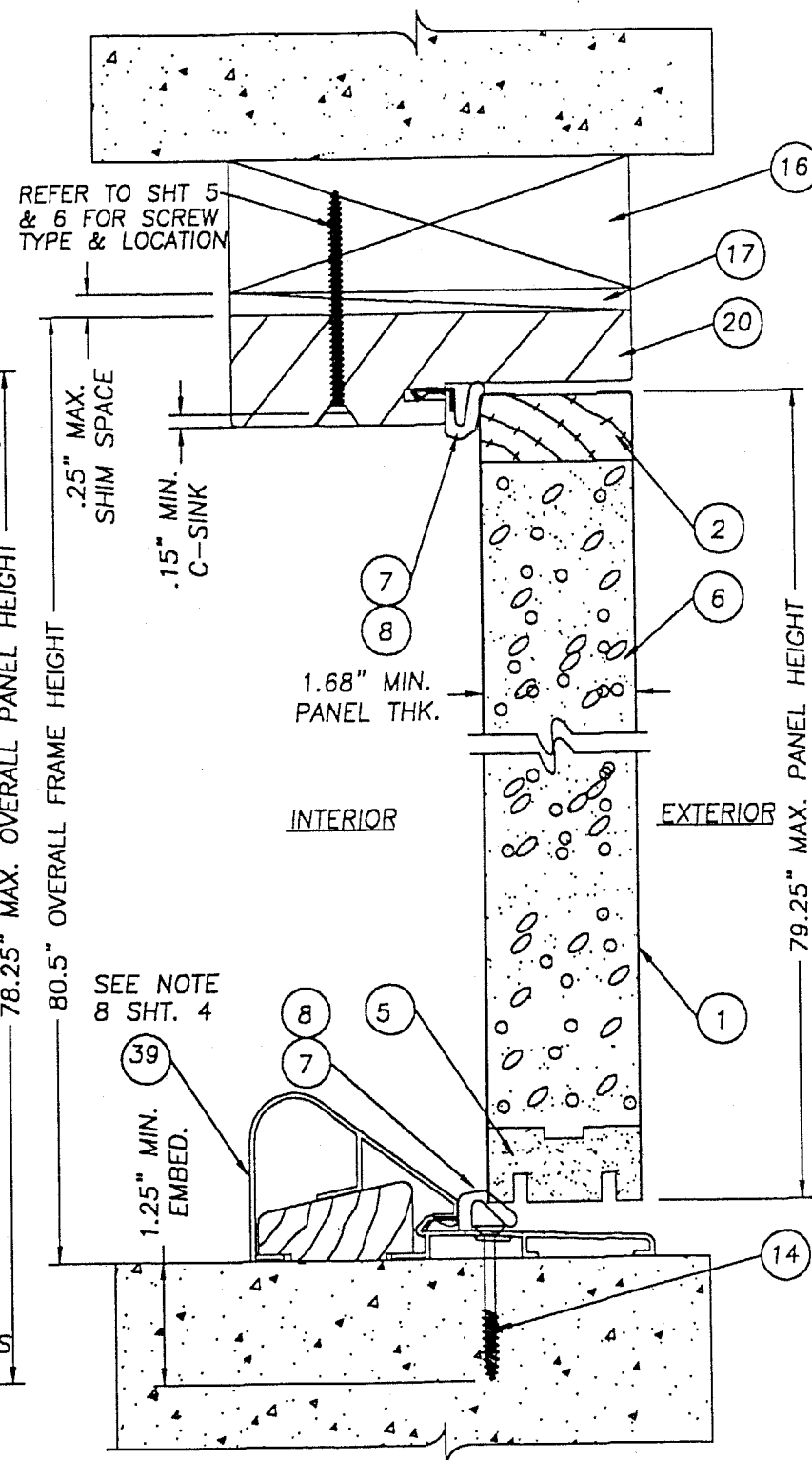
SHEET 1 OF 8



1 VERTICAL CROSS SECTION  
2 DOOR PANEL W/ LOW PROFILE  
BUMP THRESHOLD



2 VERTICAL CROSS SECTION  
2 SIDELITE PANEL



3 VERTICAL CROSS SECTION  
2 DOOR PANEL W/ HIGH DAM THRESHOLD

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Florida Building Code  
Date June 20, 2002  
NOA# 01-0826-06  
Miami Dade Product Control  
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PH. (219) 868-5811

PRODUCT:  
"PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			

RW BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01

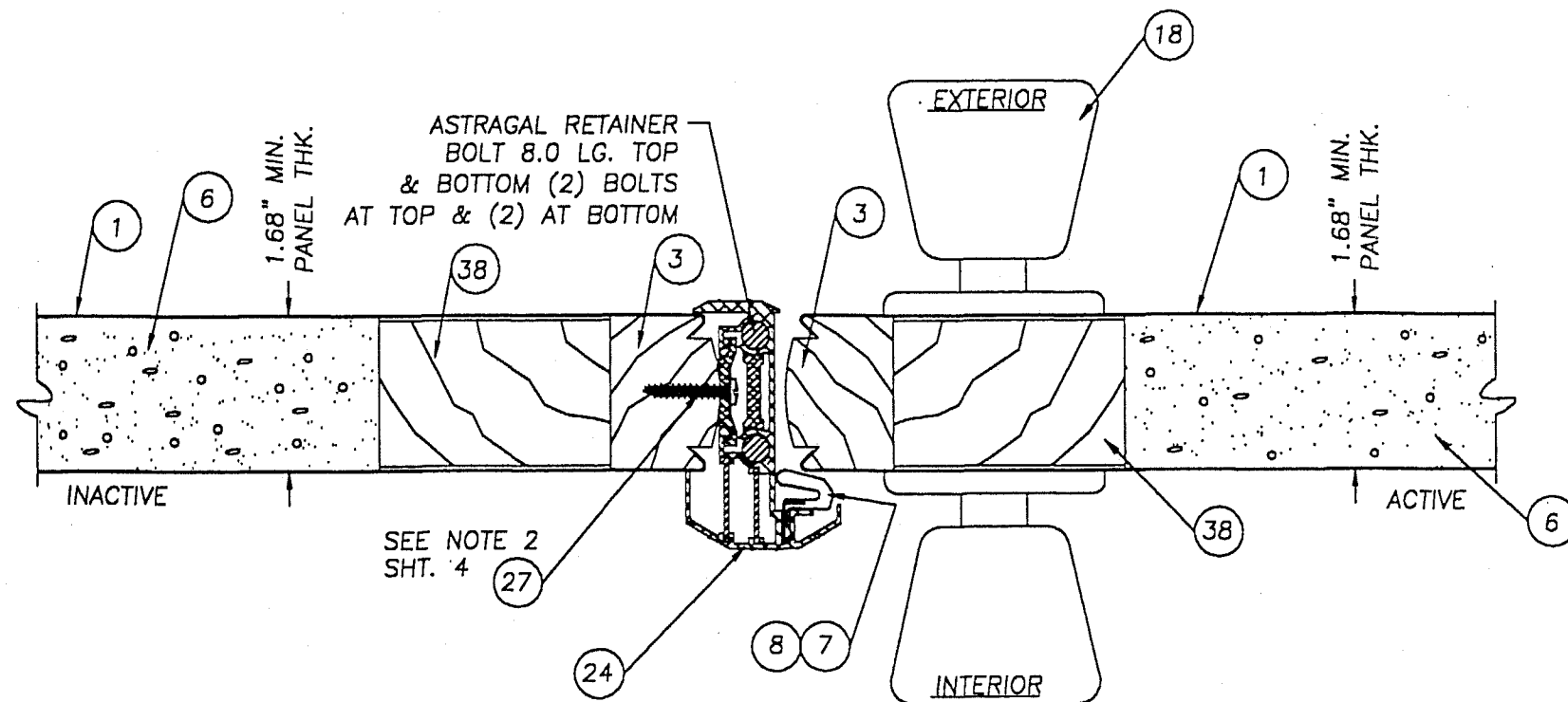
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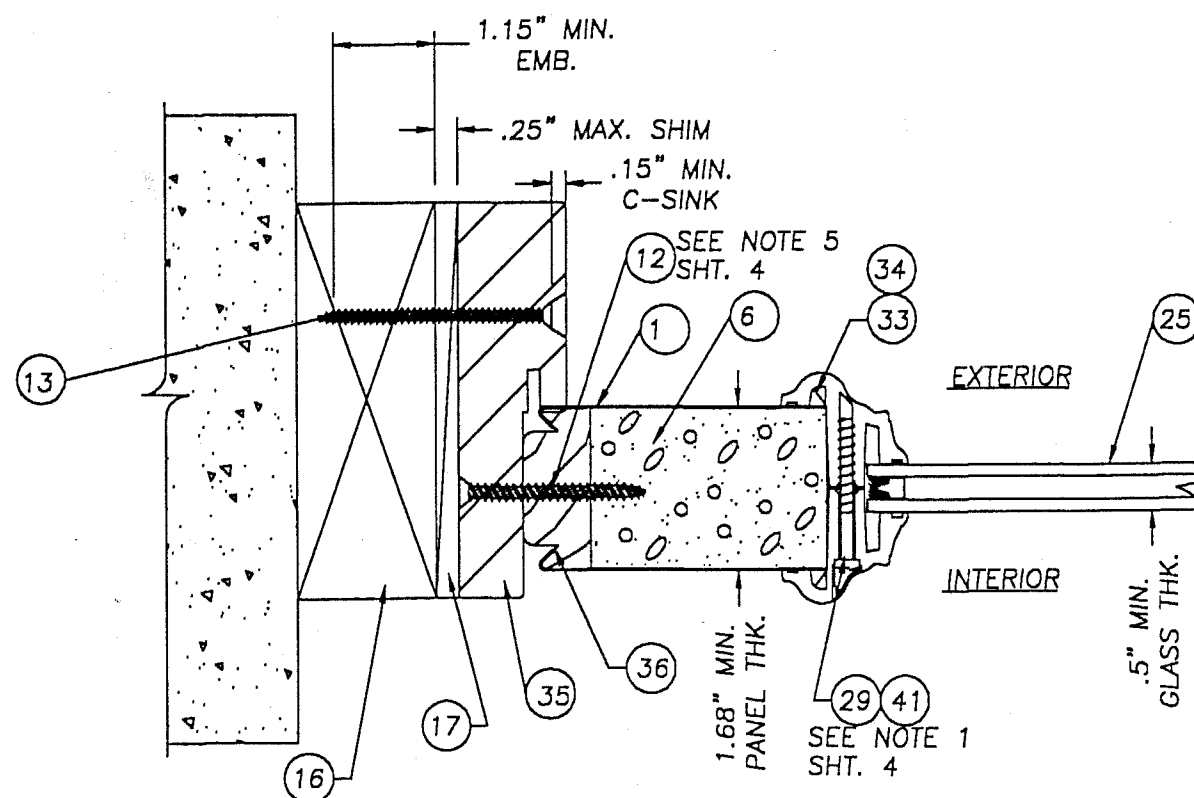
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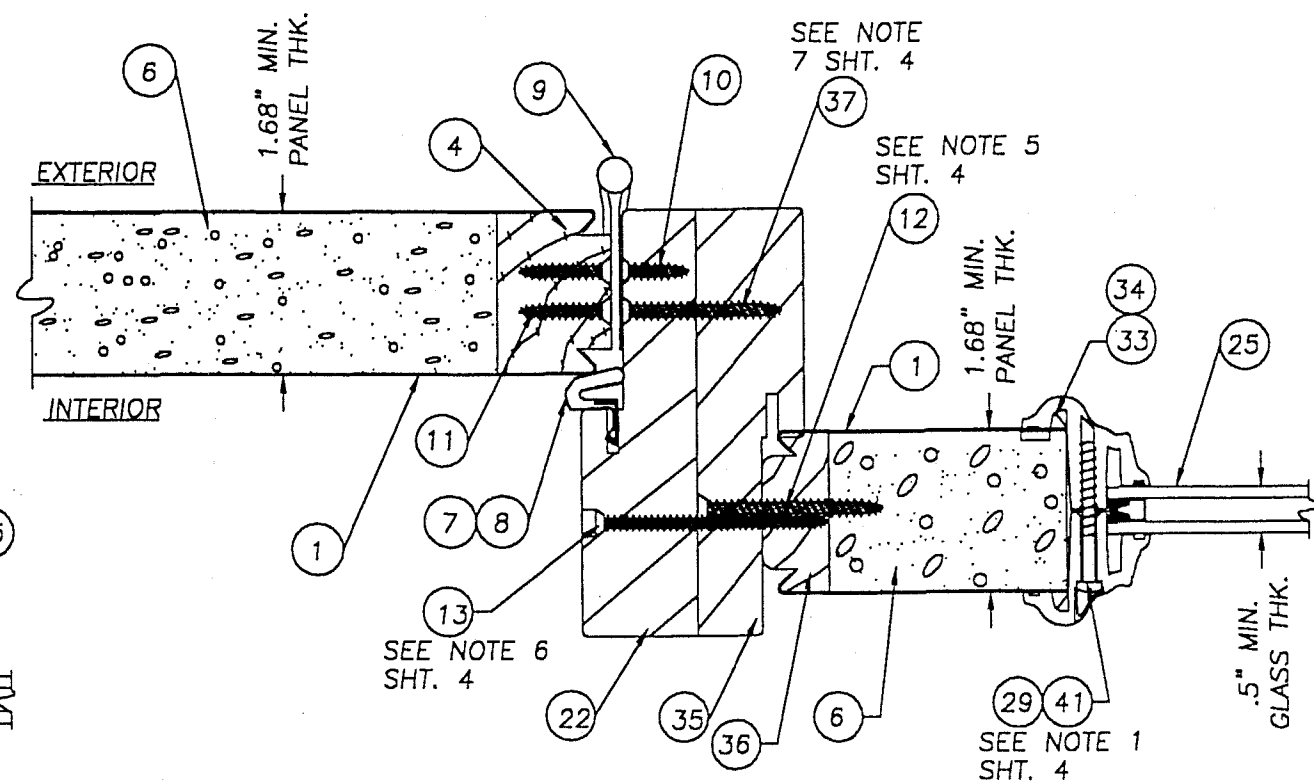
SHEET 2 OF 8



1 HORIZONTAL CROSS SECTION  
3 @ ASTRAGAL



3 HORIZONTAL CROSS SECTION  
3 @ SIDELITE TO BUCK



2 HORIZONTAL CROSS SECTION  
3 @ HINGE JAMB TO SIDELITE

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Date June 20, 2002  
NOA# 06-0828-08  
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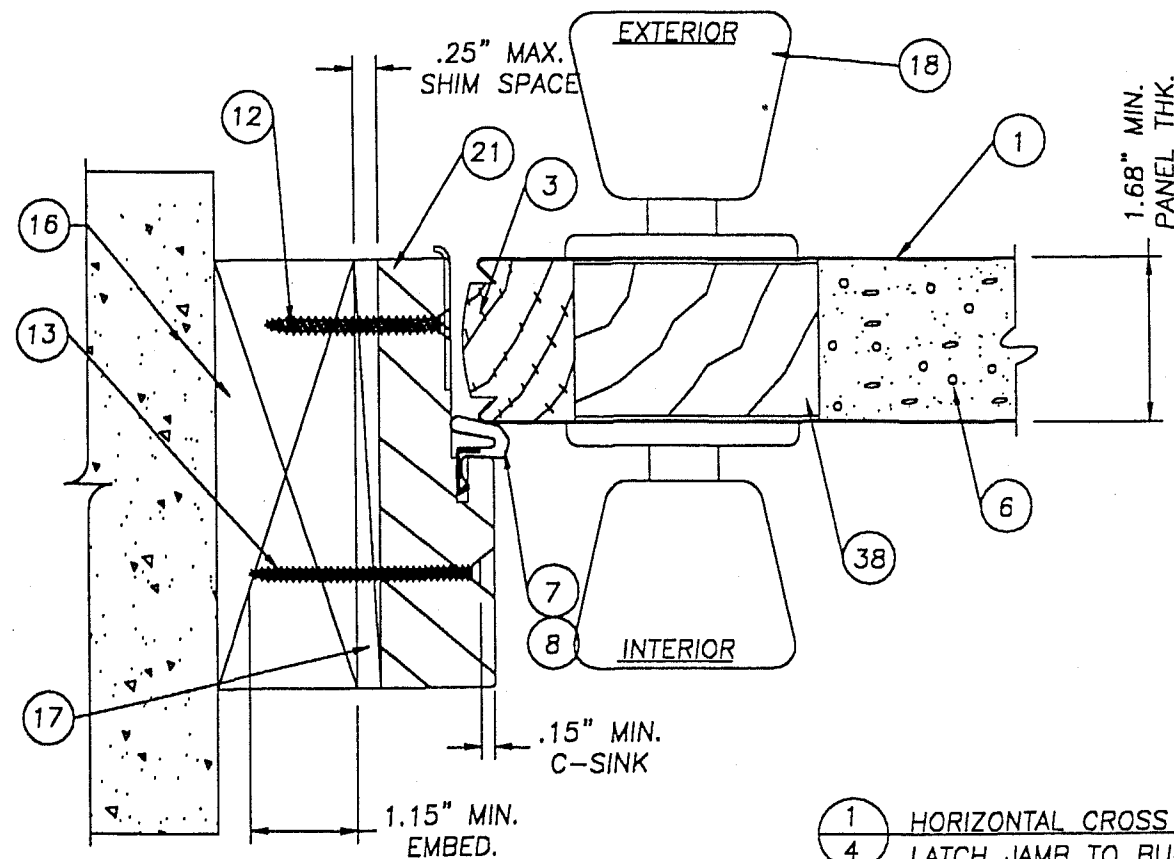
PRODUCT:  
"PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR  
PART OR ASSEMBLY:

HORIZONTAL  
CROSS SECTIONS

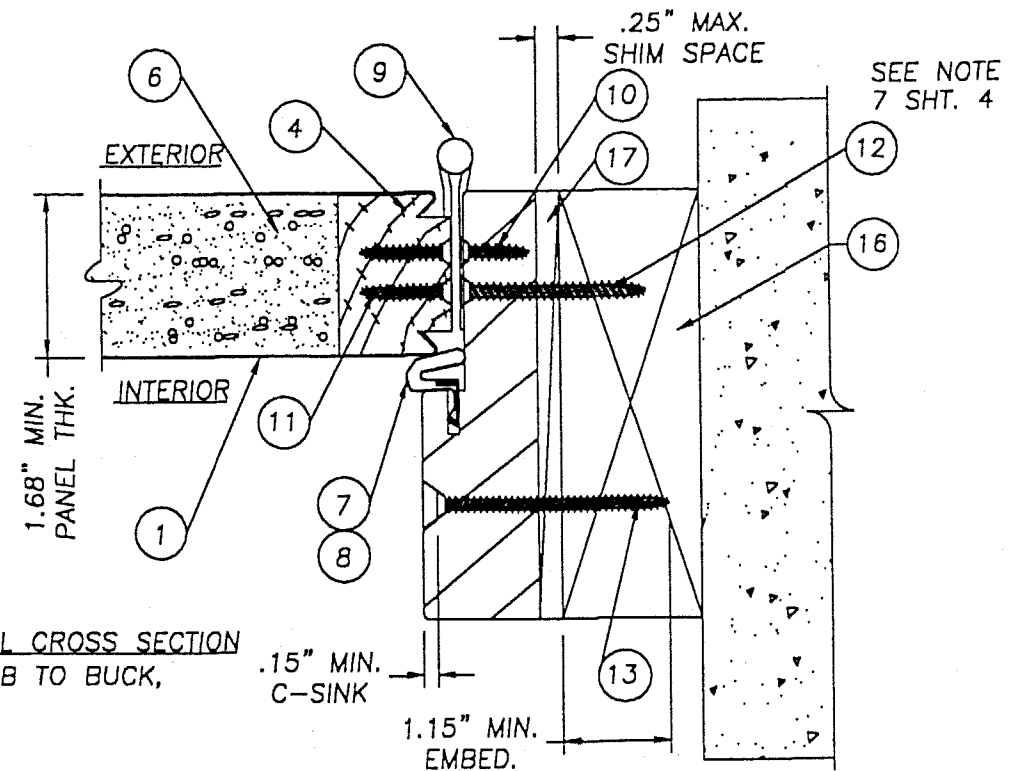
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1	3/28/02			

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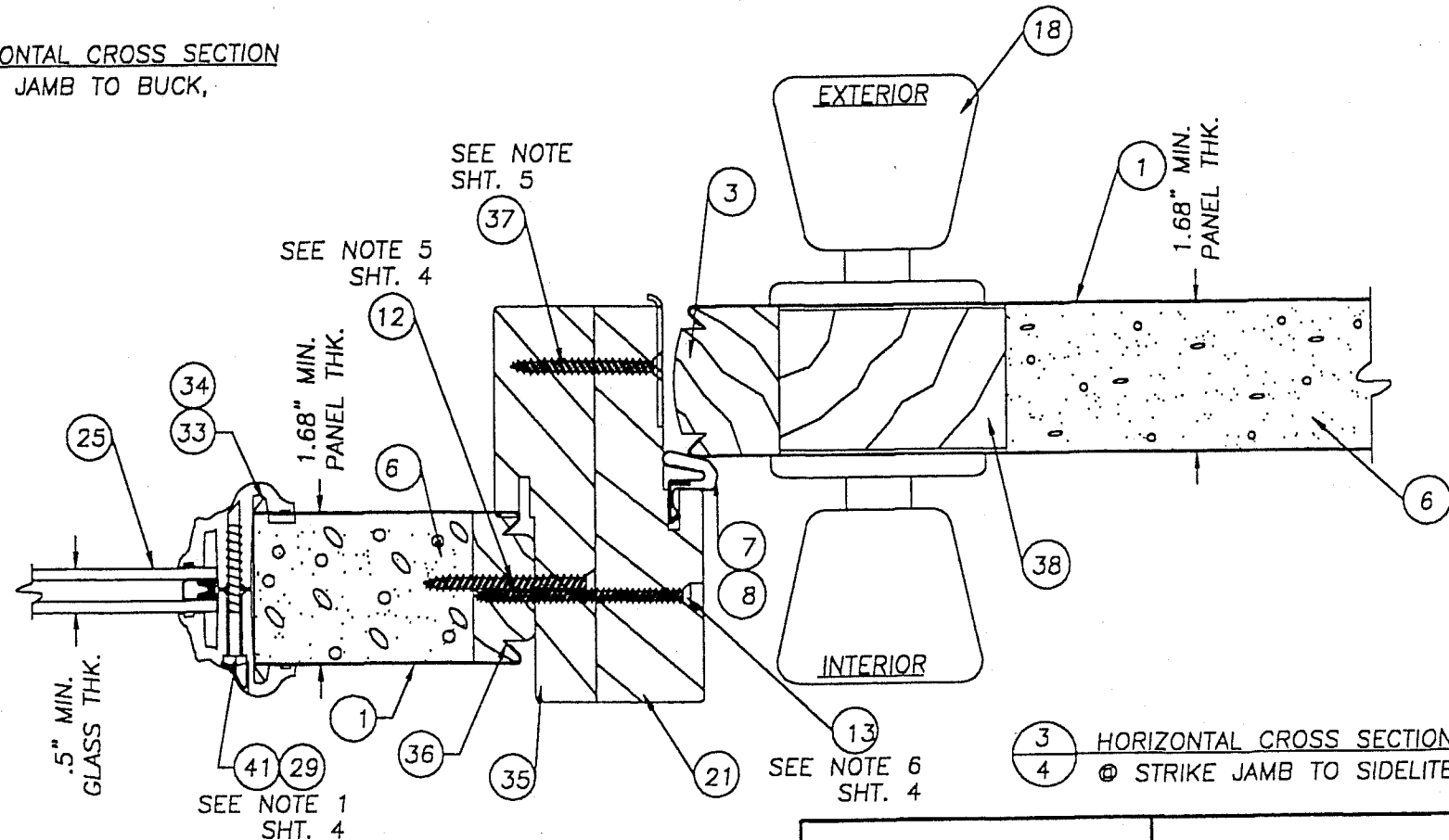
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DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2149  
SHEET 3 OF 8



1  
4 HORIZONTAL CROSS SECTION  
LATCH JAMB TO BUCK,



2  
4 HORIZONTAL CROSS SECTION  
HINGE JAMB TO BUCK,



3  
4 HORIZONTAL CROSS SECTION  
@ STRIKE JAMB TO SIDELITE

# NOTES:

1. SPACING FOR ITEM #29 & #41 (LITE FRAME SCREWS) IS AS FOLLOWS: FROM THE TOP DOWN ON SIDES; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". THERE IS (1) SCREW BOTH TOP AND BOTTOM AT 4.25" IN FROM CORNER.
2. SPACING FOR ITEM #27 #8 x 1" PANHEAD SCREW ATTACHING THE ASTRAGAL TO THE INACTIVE DOOR IS AS FOLLOWS: FROM THE BOTTOM UP AND TOP DOWN 1", 3", 5", 26" AND (1) MORE 6" UP FROM THE STRIKE LOCATION.
3. THE HEAD JAMB IS ATTACHED TO THE SIDE JAMBS WITH (3) 16GA. x 1/2" CROWN x 2" STAPLES AT BOTH SIDE.
4. THE THRESHOLD IS ATTACHED TO THE SIDE JAMBS WITH (2) 16GA. x 1/2" CROWN x 2.5" STAPLES AT BOTH SIDE.
5. THE SIDELITE IS DIRECT SET INTO THE JAMB WITH ITEM #12 #10 x 2" PH.F.H. WOOD SCREW AT 6" DOWN FROM EACH CORNER AND A MAX. OF 12" O.C. ON THE SIDE JAMBS ONLY.
6. SPACING FOR ITEM #13, A #8 x 2 1/2" SCREW SECURING THE MULLIONS TOGETHER IS THE SAME AS THE PERIMETER ANCHORING SCREWS. 6" DOWN FROM THE TOP AND UP FROM THE BOTTOM WITH (4) MORE SPACED AT 13.7" O.C.
7. WHEN ATTACHING THE HINGE TO THE JAMB AND THE BUCK USE ITEM #12 A #10 x 2" SCREW. WHEN ATTACHING THE HINGE TO THE JAMB AND THE SIDELITE AT THE MULLION USE ITEM #37 A #10 x 1 3/4" SCREW.
8. ITEM #39, THE HIGH DAM THRESHOLD IS ONLY USED IN AN APPLICATION WHERE A HIGHER WATER PRESSURE MUST BE ACHIEVED.

THERMATRU®

108 MUTZFELD Rd.  
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PRODUCT:  
"PREMIUM SERIES" 6-8  
"SINGLE & DOUBLE  
OUT-SWING STEEL DOOR

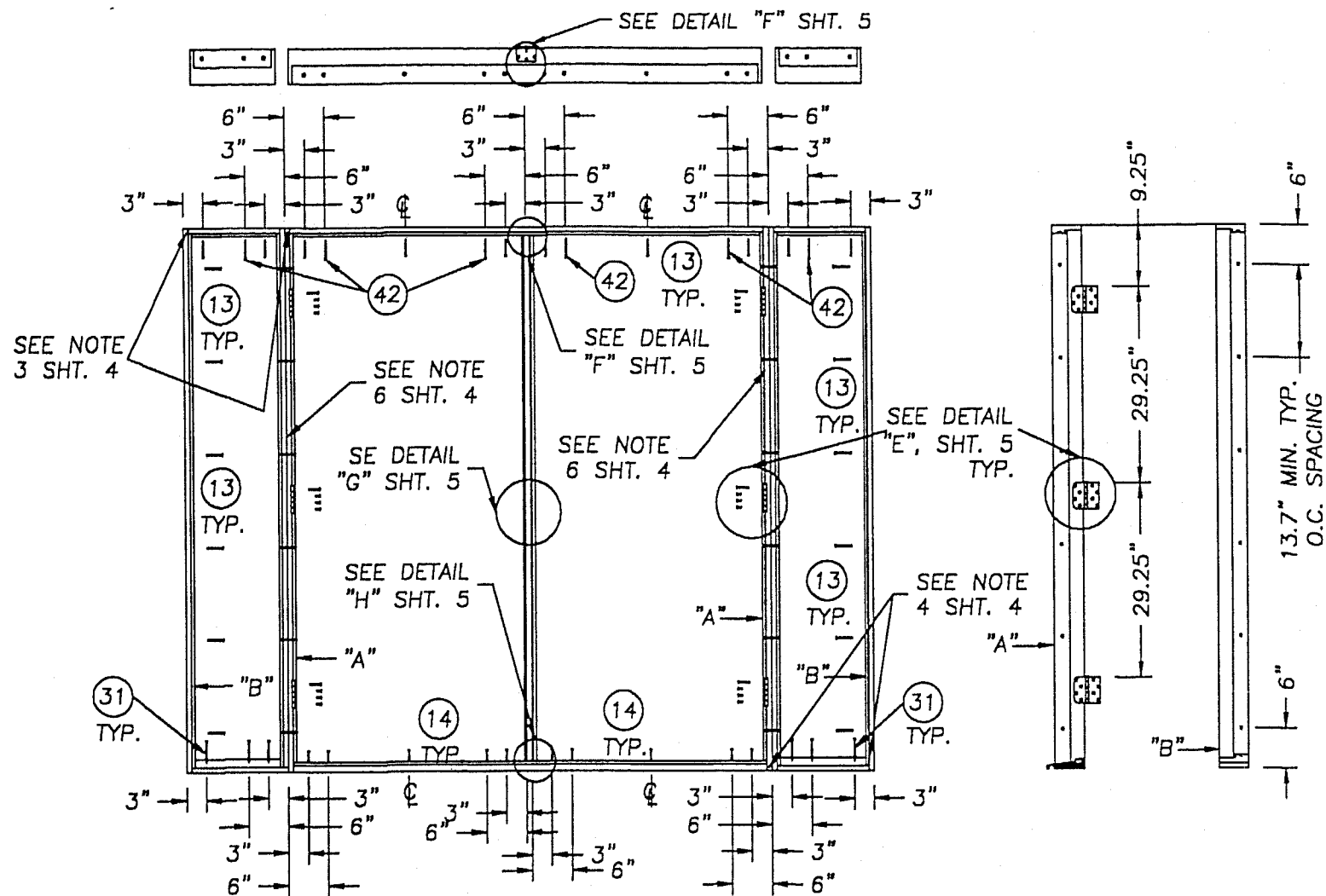
PART OR ASSEMBLY:  
HORIZONTAL CROSS  
SECTIONS & NOTES

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			
REVISIONS				

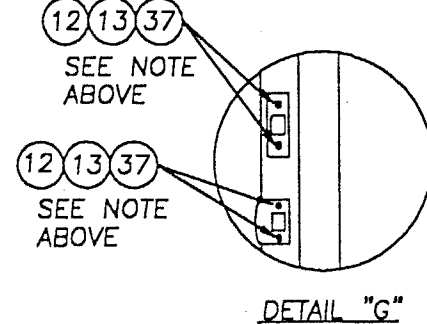
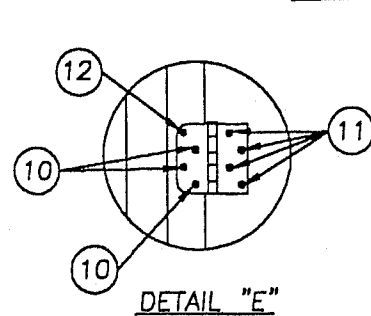
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CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01  
SCALE: 1/2" = 1"  
DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2149  
SHEET 4 OF 8

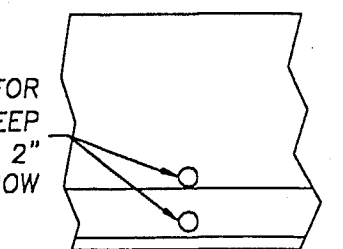
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Florida Building Code  
Date: June 20, 2002  
NOAH: 01-0826.08  
Miami Dade Product Control  
Division  
By: [Signature]



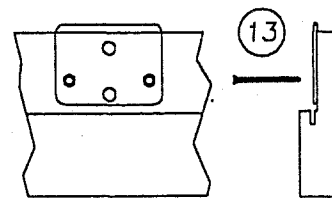
DOUBLE DOOR W/SIDELITES



DRILL THRU FOR  
A  $\phi .357$ " BOLT DEEP  
ENOUGH FOR A 2"  
BOLT THROW

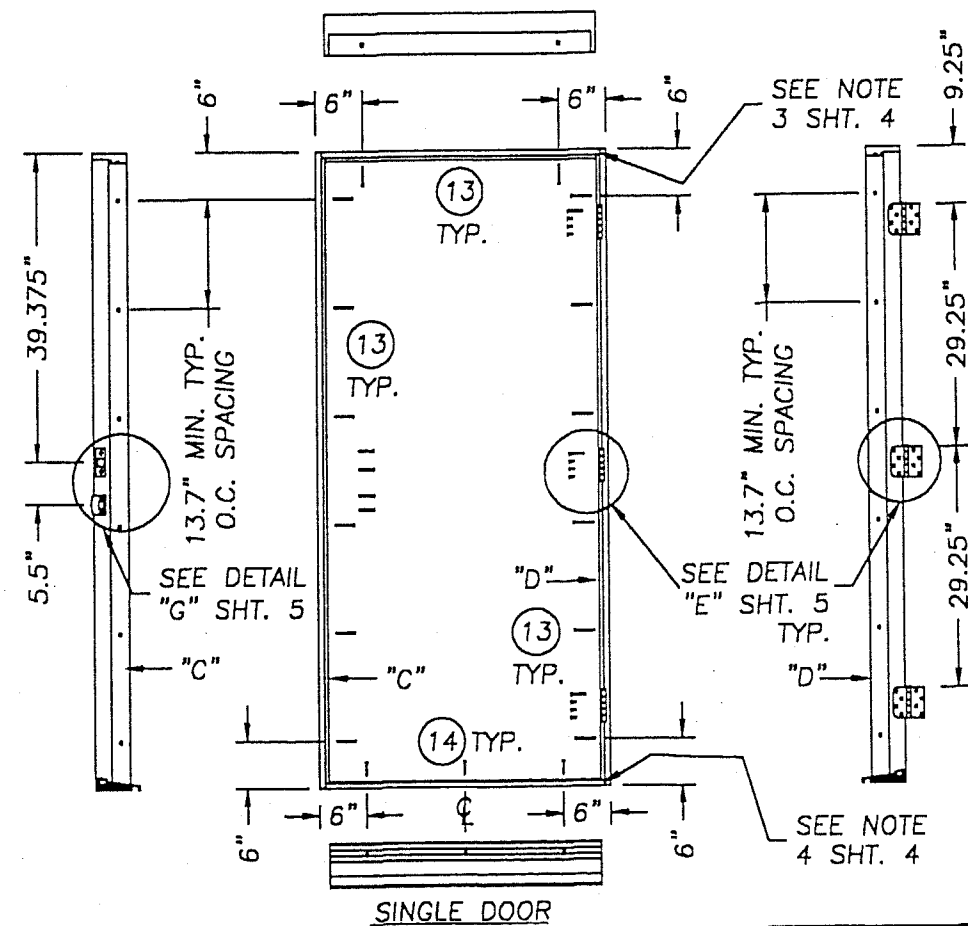


ASTRAGAL THROW BOLTS  
AT THE THRESHOLD



ATTACH ASTRAGAL THROW BOLT  
STRIKE PLATE TO FRAME  
AS SHOWN.

NOTE:  
WHEN ATTACHING THE STRIKE & DEADBOLT  
PLATES TO THE STRIKE JAMB AND BUCK USE  
A #10 x 2" SCREW. WHEN ATTACHING THE STRIKE  
& DEADBOLT PLATES TO THE ASTRAGAL USE  
A #8 x 2 1/2" SCREW. WHEN ATTACHING THE  
STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND  
SIDELITE JAMB USE A #10 x 1 3/4" SCREW.



SINGLE DOOR

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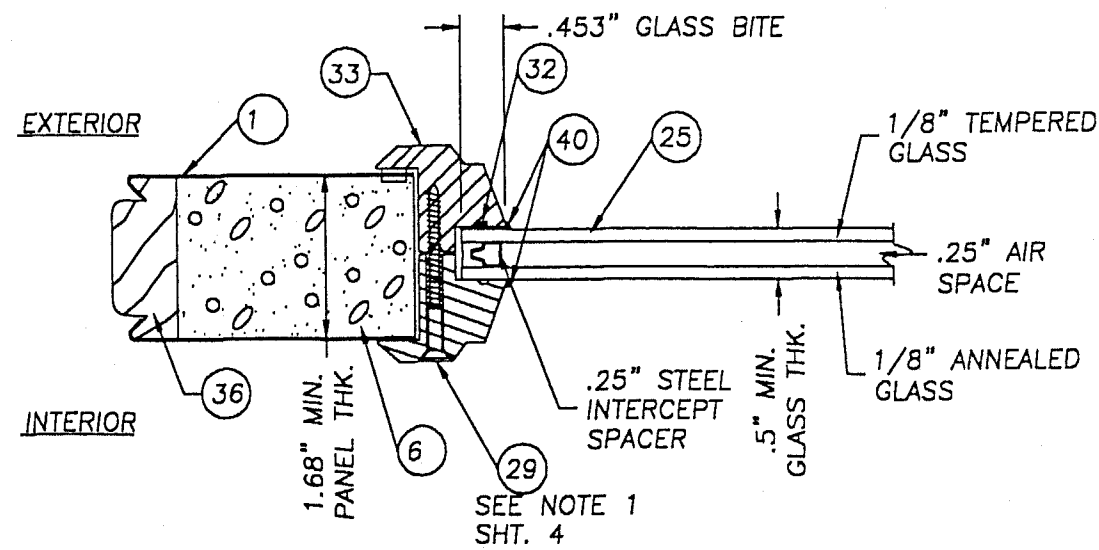
PRODUCT: "PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR  
PART OR ASSEMBLY:  
ANCHORING LOCATIONS  
& DETAILS

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			

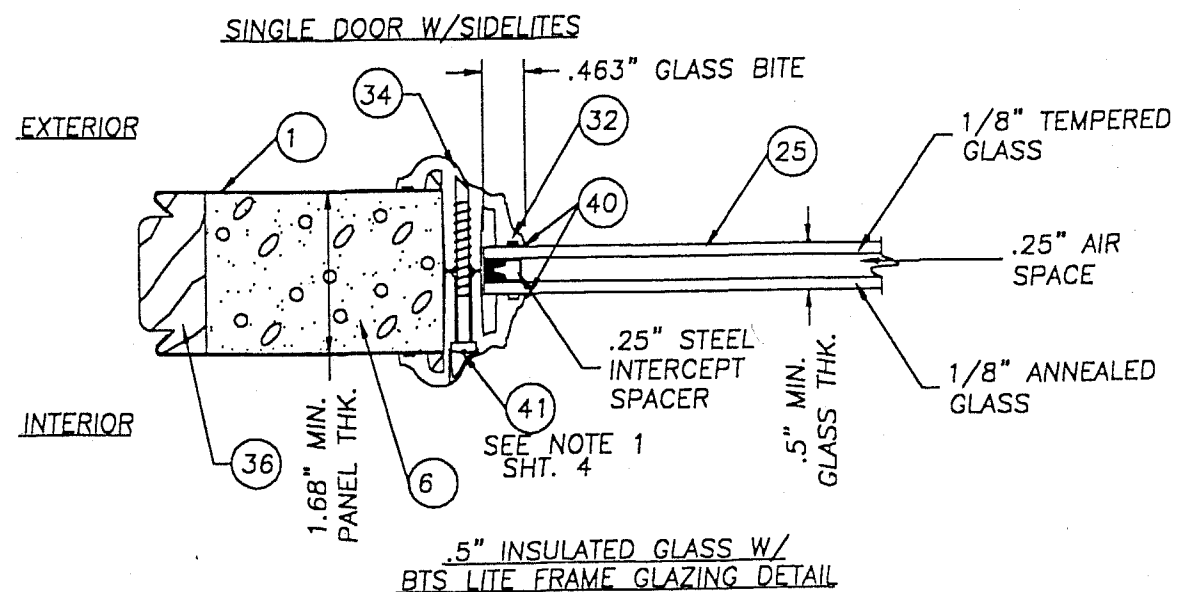
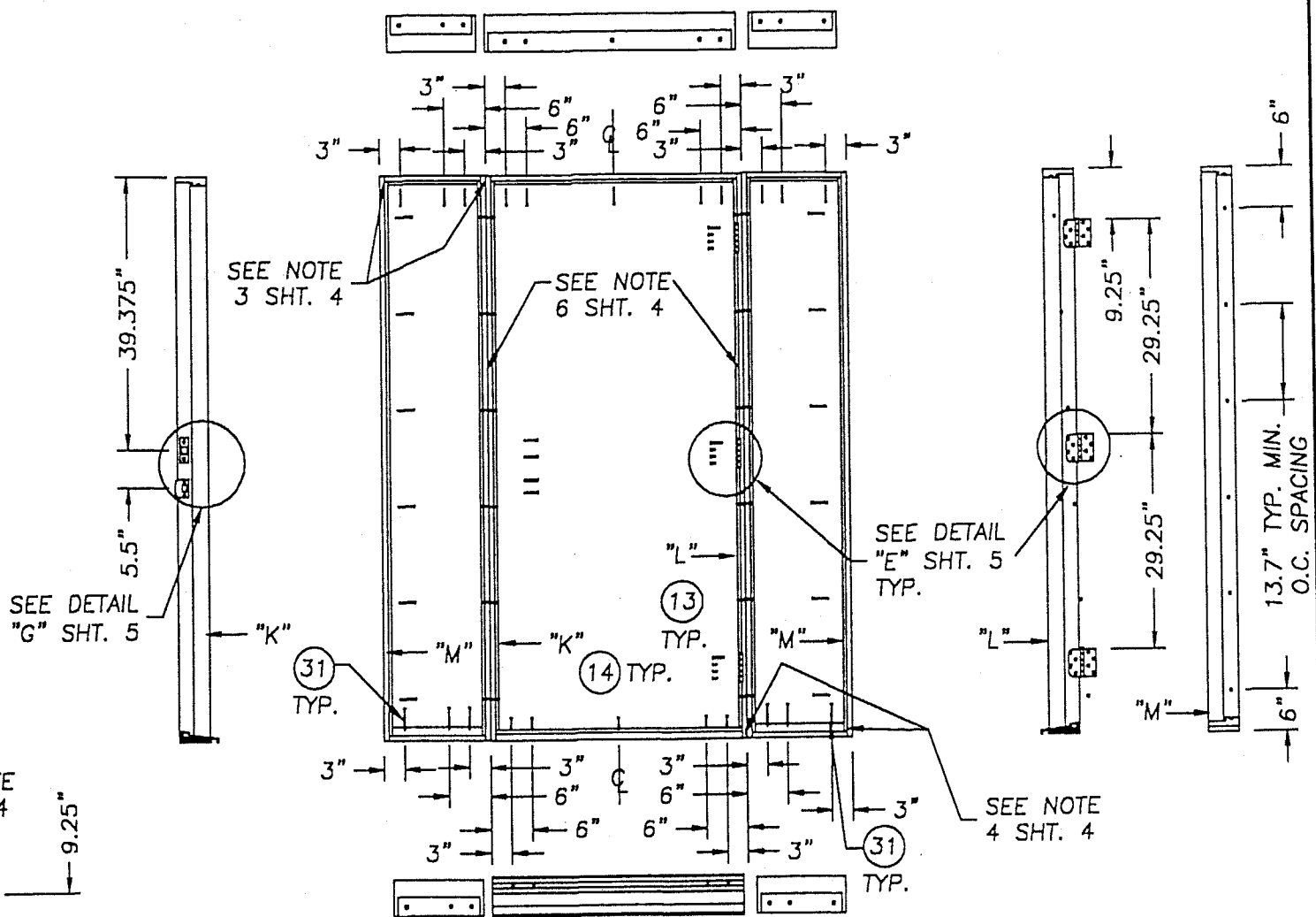
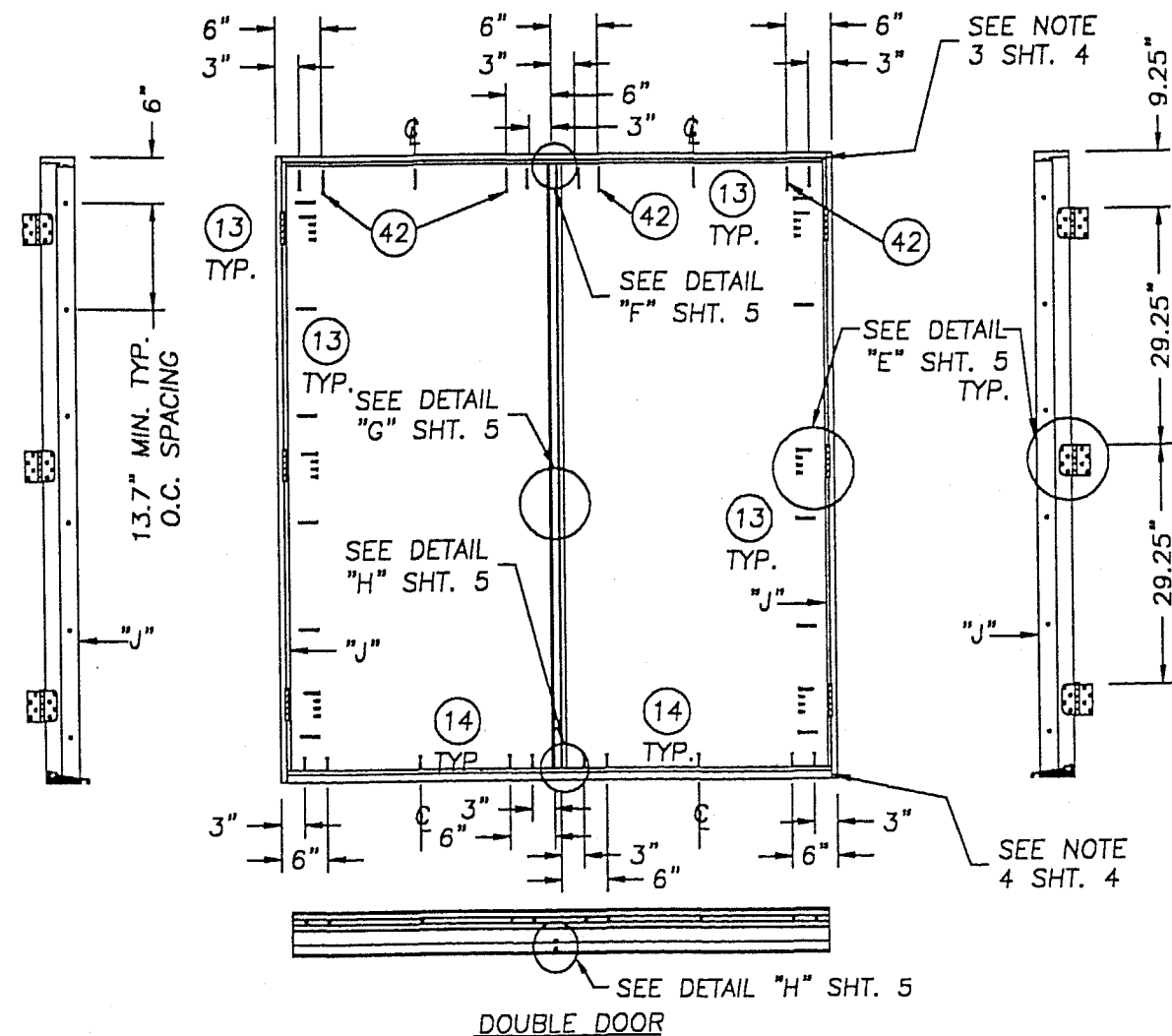
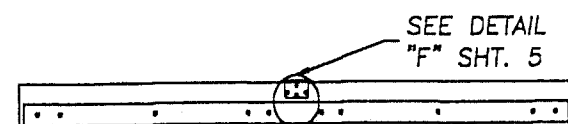
**RW** BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01  
SCALE: N.T.S.  
DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2149  
SHEET 5 OF 8





.5" INSULATED GLASS W/  
PVC LITE FRAME GLAZING DETAIL



.5" INSULATED GLASS W/  
BTS LITE FRAME GLAZING DETAIL

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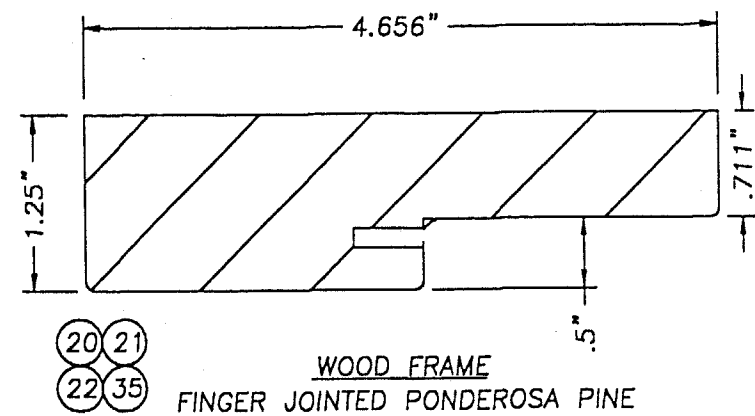
PRODUCT: "PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR  
PART OR ASSEMBLY:  
ANCHORING LOCATIONS  
& GLAZING DETAILS

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			

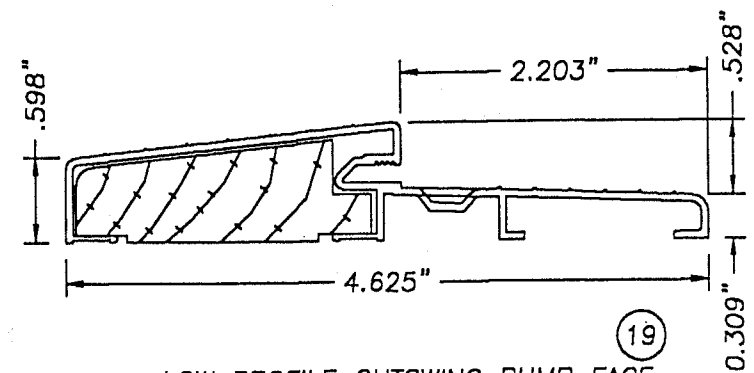
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Florida Building Code  
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NOAH 0-0828-08  
Miami Dade Product Control  
Division  
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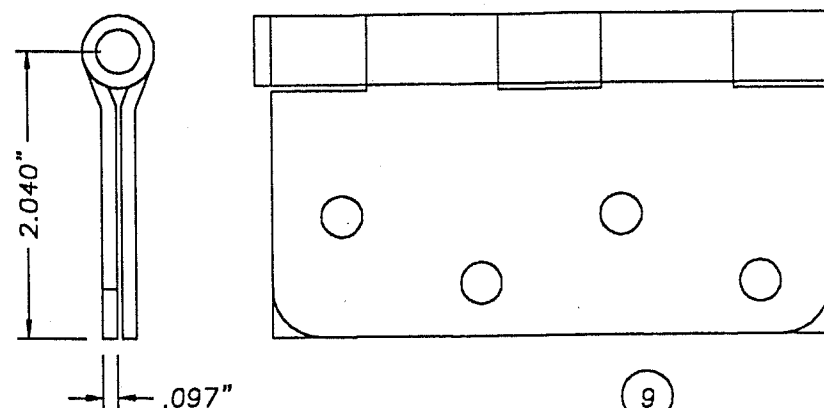
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CHK. BY: RW  
DRAWING NO.: S-2149  
SHEET 6 OF 8



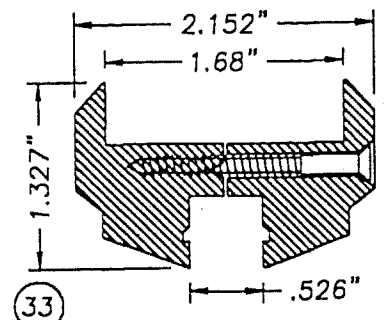
WOOD FRAME  
FINGER JOINTED PONDEROSA PINE



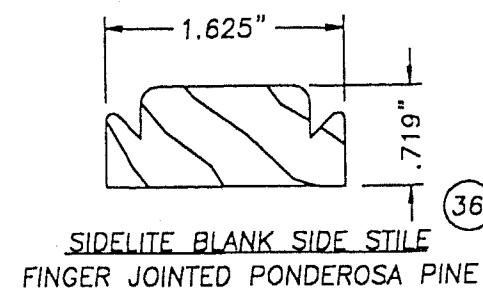
LOW PROFILE OUTSWING BUMP FACE  
ALUMINUM/WOOD THRESHOLD  
.050" WALL TYP.



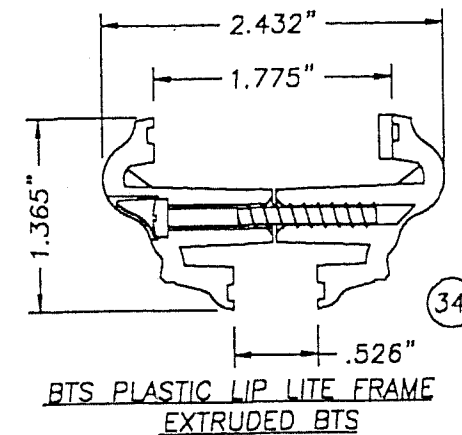
4 x 4 STEEL DOOR HINGE



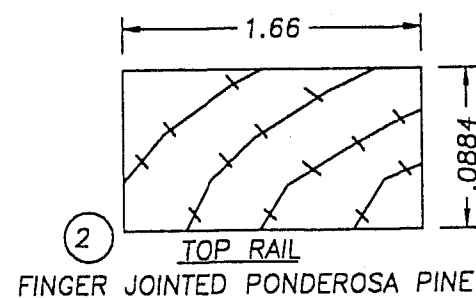
PLASTIC LIP LITE FRAME  
EXTRUDED PVC



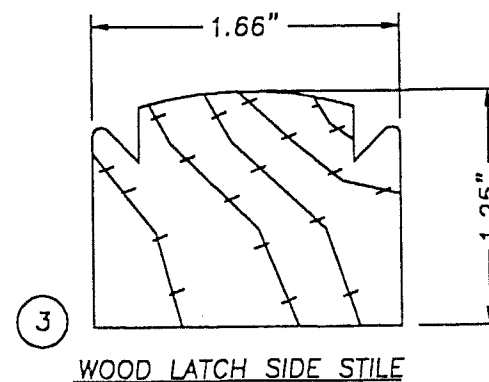
SIDELITE BLANK SIDE STILE  
FINGER JOINTED PONDEROSA PINE



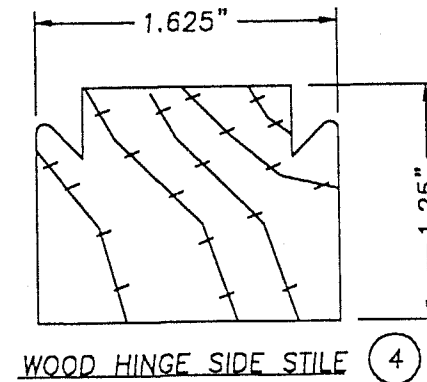
BTS PLASTIC LIP LITE FRAME  
EXTRUDED BTS



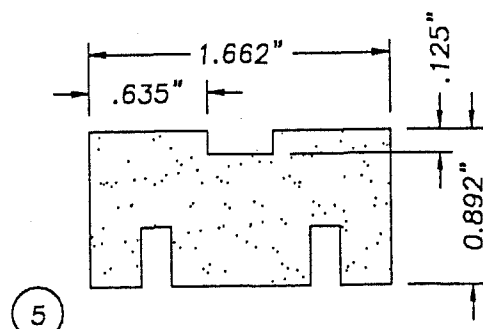
TOP RAIL  
FINGER JOINTED PONDEROSA PINE



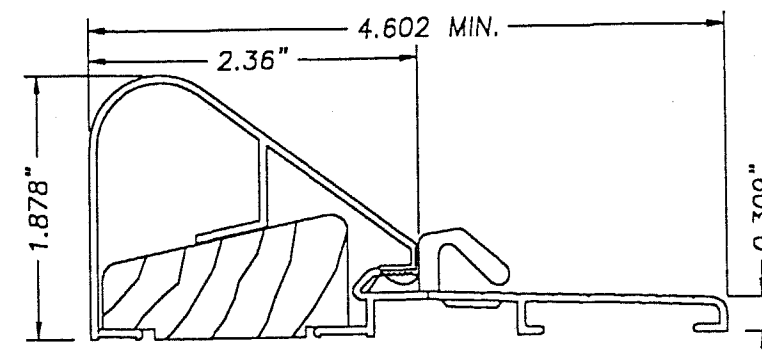
WOOD LATCH SIDE STILE



WOOD HINGE SIDE STILE



BOTTOM RAIL, WOOD COMPOSITE



HIGH DAM THRESHOLD  
MIN. WALL THK. = 0.050"  
SEE NOTE 8 SHT. 4

NOTE  
ALL DIMENSIONS ARE MINIMUM.  
DIMENSIONS ARE THE LARGEST TESTED.

THERMA-TRU®  
108 MUTZFELD Rd.  
BUTLER, IN 46721  
PH. (219) 868-5811

PRODUCT:		UNIT COMPONENTS	
"PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR		PART OR ASSEMBLY:	
		W/L	BY
		GENERAL REVISION	
1	3/28/02	DATE	
		NO.	
		REVISIONS	

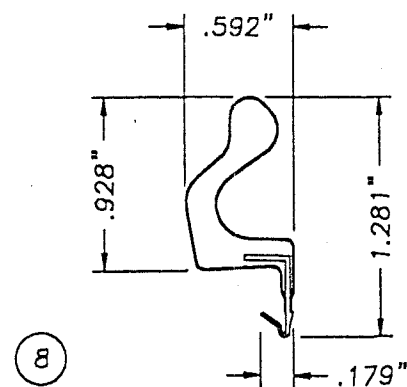
RW BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01  
SCALE: N.T.S.  
DWG. BY: TJH  
CHK. BY: RW  
DRAWING NO.: S-2149  
SHEET 7 OF 8

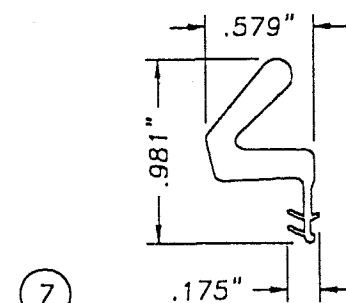
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By *[Signature]*



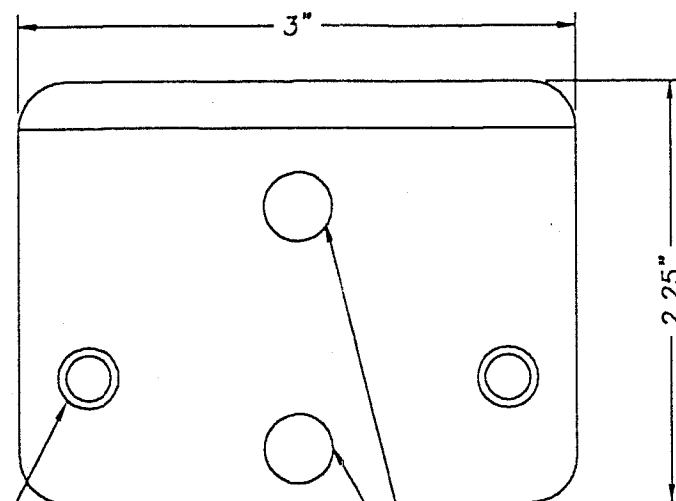
Item	DESCRIPTION	Material
1	DOOR SKIN, PREMIUM SERIES 24GA. (.022" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE)	WOOD
3	LATCH STILE (THERMA-TRU, PONDEROSA PINE 1.66" x 1.253")	WOOD
4	HINGE STILE (THERMA-TRU, PONDEROSA PINE 1.625" x 1.25")	WOOD
5	BOTTOM RAIL (1.662" x 0.892" THERMA-TRU WOOD COMPOSITE)	WOOD COMPOSITE
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1" LG. PFH WOOD SCREW	STEEL
12	#10 x 2" LG. PFH WOOD SCREW	STEEL
13	#8 x 2 1/2" LG. PFH WOOD SCREW	STEEL
14	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
15	NOTE USED	
16	2x WOOD BUCK	WOOD
17	MAX. 1/4" SHIM MATERIAL	WOOD
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK	-
19	ONE PIECE BUMP FACE THRESHOLD LOW PROFILE (THERMA-TRU)	ALUM./WOOD
20	4.656" HEADER (THERMA-TRU, PONDEROSA PINE)	WOOD
21	4.656" STRIKE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
22	4.656" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
23	KWIKSET TITAN 700 SERIES DEADBOLT	-
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW	STEEL
28	NOT USED	-
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #33)	STEEL
30	NOT USED	-
31	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	-
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	PVC
34	PLASTIC LIP LITE FRAME (BTS, THERMA-TRU)	BTS
35	4.656" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
36	SIDELITE SIDE STILE (THERMA-TRU, 1.625" x .719" PONDEROSA PINE)	WOOD
37	#10 x 1 3/4" LG. PFH WOOD SCREW	STEEL
38	LOCK BLOCK 2.625" x 10.375" x 1.625" THK.	WOOD
39	HIGH WATER DAM THRESHOLD (THERMA-TRU)	ALUM.
40	SILICONE CAULK	SILICONE
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)	STEEL
42	#10 x 3" LG. PFH WOOD SCREW	STEEL



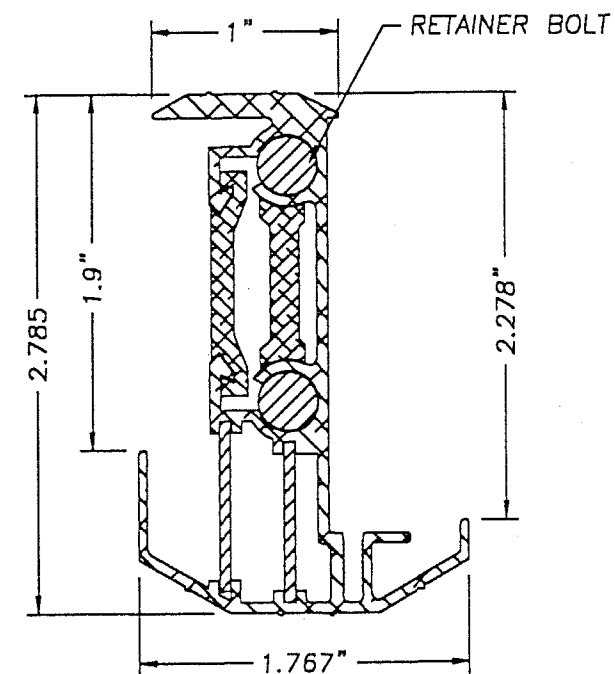
8  
LONG REACH COMPRESSION WEATHERSTRIP  
FOAM CELL CORE W/VINYL JACKET



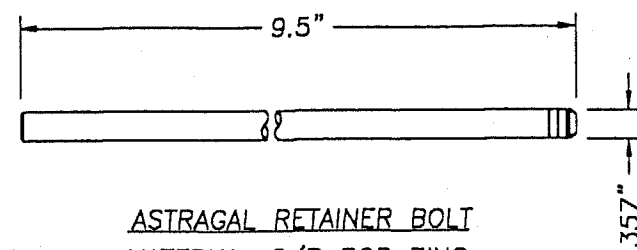
7  
COMPRESSION WEATHERSTRIP  
BY THERMA-TRU  
FOAM CELL CORE W/VINYL JACKET



24  
WINDJAMBER II WR68T STRIKE PLATE  
DRILL TRU FOR A #8  
PFH WOOD SCREW 2PLCS  
DRILL TRU FOR  
.357\"/>



24  
WINDJAMBER II WR68T  
ASTRAGAL (ALUMINUM .052\"/>



ASTRAGAL RETAINER BOLT  
MATERIAL: C/R ROD ZINC  
& YELLOW CHROMATE

**THERMA-TRU®**  
108 MUTZFELD Rd.  
BUTLER, IN 46721  
PH. (219) 868-5811

PRODUCT:  
"PREMIUM SERIES" 6-8  
SINGLE & DOUBLE  
OUT-SWING STEEL DOOR  
PART OR ASSEMBLY:  
BILL OF MATERIALS &  
UNIT COMPONENTS

NO.	DATE	GENERAL REVISION	WLN	BY
1	3/28/02			

**RW** BUILDING  
CONSULTANTS, INC.  
813.684.3831

DATE: 08/08/01

SCALE: N.T.S.

DWG. BY: TJH

CHK. BY: RW

DRAWING NO.:

S-2149

SHEET 8 OF 8

Approved as complying with the  
Florida Building Code  
Date June 20, 2002  
NOA# 01-0829.03  
Miami Dade Product Control  
Division  
By [Signature]